SVL920010040US1 Shyh—Mei F. Ho, et al.
IMS MFS (Message Format Service Metamodel) 1/8 WINDOWS 2000 129 IMS/390 119 SAP ON AIX 115,117 CICS/390 ORACLE, DB2,... Net.Commerce NETSCAPE SUN SOLARIS FIG. 1 107

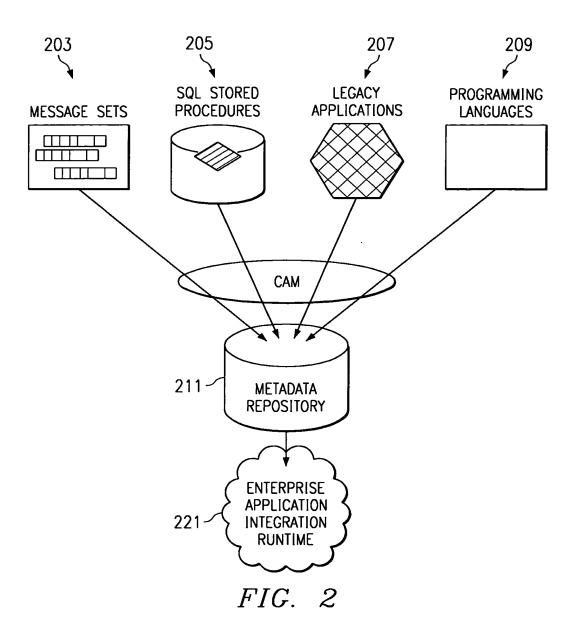
109,111,113

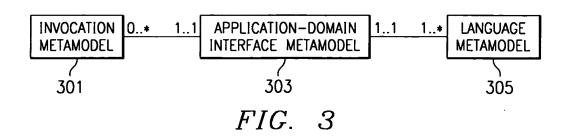
5

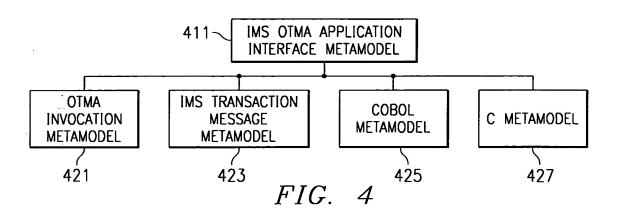
NETSCAPE 1E 103

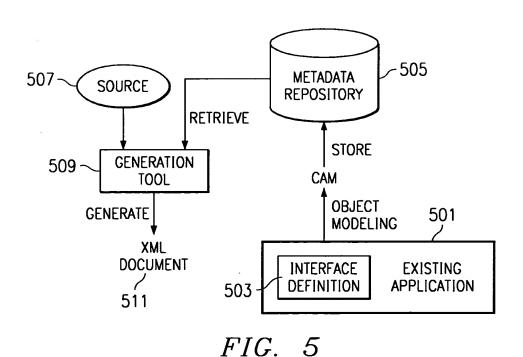
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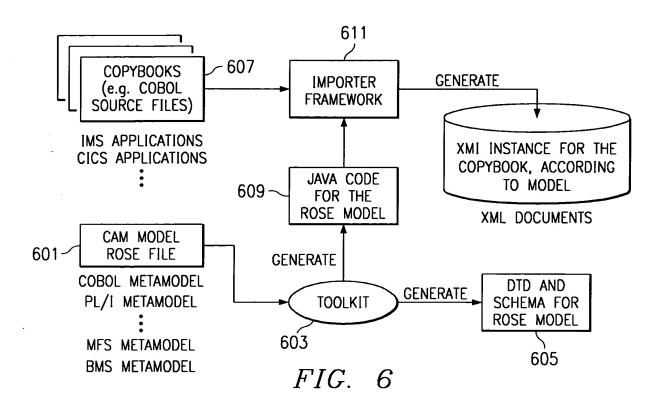


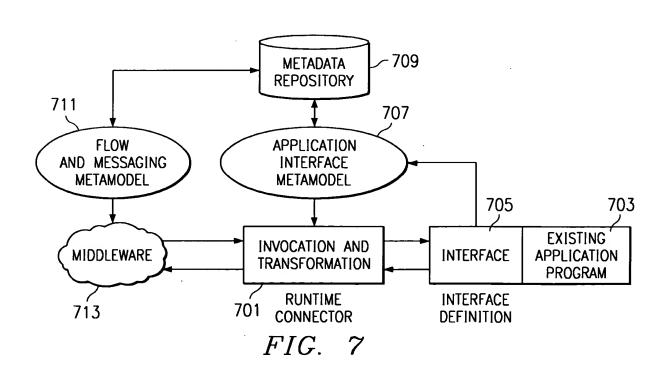


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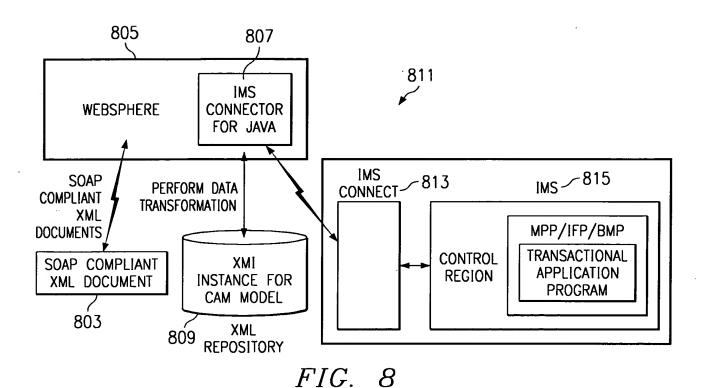
IMS MFS (Message Format Service Metamodel)

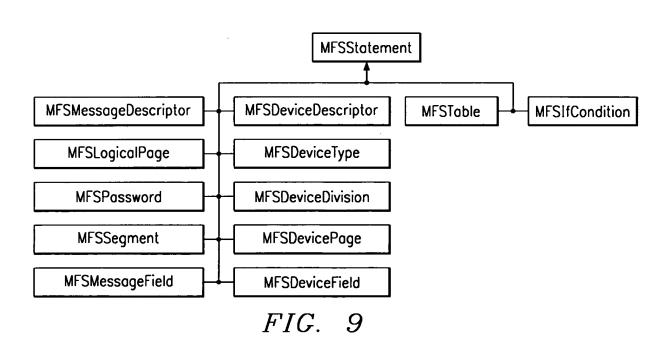




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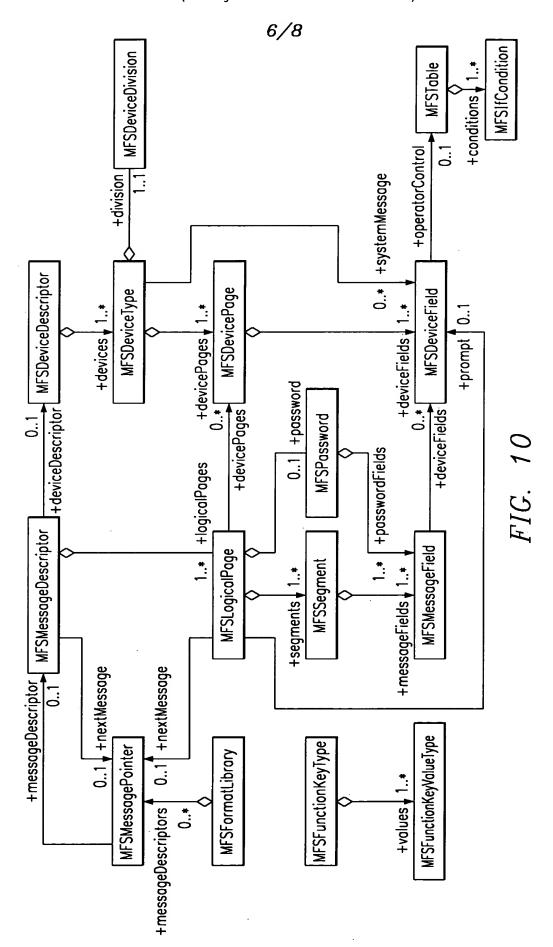
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**MFSDeviceField** 

extendedAttributes: MFSExtendedAttributeType attributes: MFSAttributeType

position: MFSPositionType

pen : String

value : String

length: int

compression: MFSCompressionType

type: MFSDescriptorType

**MFSMessageField** 

multiplePages : boolean

fill: String

extendedAttributes: int attributes : boolean exit: MFSExitType

**MFSFormatLibrary** 

name: String

fill : String

length: MFSLengthType justify: MFSJustifyType volue : String

**MFSMessagePointer** name : String

**MFSExitType** 

number : int vector : int

MFSExtendedAttributeType

extendedGraphicCharacterSet : String highlighting: MFSHighlightingType color: MFSColorType

mixed: boolean

programmedSymbol: String outlining: MFSOutliningType

validation : MFSValidationType

FIG. 11A

**MFSCursorType** 

column: int

fieldName : String

row : int

**MFSDeviceType** 

**MFSDeviceDivision** 

features : MFSFeatureType

dsca : String card: String

comments: String

label : String

**MFSStatement** 

page: MFSPageType pen : String

pk: MFSFunctionKeyType

condition: MFSConditionType

action: String

MFSIfCondition

cursor : MFSCursorType

**MFSDevicePage** 

substitution: String type: String

width: int

MFSLogicalPage

condition: MFSConditionType promptValue: String

ignoreSource : boolean

fill: String

**MFSMessageDescriptor** 

exit: MFSExitType graphic: boolean

**MFSSegment** 

**MFSConditionType** 

leftOperand: String

:ype : MFSDescriptorType

paging: boolean

option: int

detectable : MFSDetectabilityType attributeBytes : boolean **MFSAttributeType** 

intensity: MFSIntensityType modified : boolean

operator : MFSOperatorType rightOperand : String

numeric : boolean

protected: boolean

strip: boolean

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	MFSPositionType	MFSPositionType row: int column: int physicalPage: int			Type		eFormatting Type		< <enumeration>&gt;</enumeration>	MFSIntensityType	normal	high	nondisplayable						
	MFSLengthType	length : int	יווו י פונסיפווי		MFSPageType		number : int formatting : MFSPageFormattingType		< <enumeration>&gt;</enumeration>	MFSHighlightingType	default	blink	reversevideo underline						
be			uo			]			< <enumeration>&gt;</enumeration>	Mr SDetectability lype	deferred	immediate	nondetectable	< <enumeration>&gt;</enumeration>	MFSValidationType	default	<u> </u>	field	DOC
MFSOutliningType	box : boolean	left : boolean		over : boolean	value : String		< <enumeration>&gt; MFSDescriptorType</enumeration>								< <enumeration>&gt;</enumeration>	MFSPageFormattingType	<del>_</del>	<b>a</b>	
MFSFunctionKeyType	tring		/alueType		gu g		<td>input</td> <td>output</td> <td>inout</td> <td></td> <td></td> <td></td> <td></td> <td>\ \ \ \</td> <td>MFSPo</td> <td>defined</td> <td>space</td> <td>ğ    </td>	input	output	inout					\ \ \ \	MFSPo	defined	space	ğ
	fieldName : String		MFSFunctionKeyV	index : int	function : String		< <enumeration>&gt; MFSCompressionType</enumeration>	P	せ				<pre>&lt;<enumeration>&gt; MFSOperatorType</enumeration></pre>	o	notEqual	greaterThan	greaterThanOrEqual	lessThan	
	npalo	), C					AKS(	fixed	short	<del>-</del>				ednal	not	gre	gre	less	
MFSFeatureType	card : boolean	funtionKevs : boolean	group : int	ignore : boolean	pen : boolean		< <enumeration>&gt; MFSColorType</enumeration>	blue	red	green	pink	turquoise	yellow default	neutral		< <enumeration>&gt;</enumeration>	Mr Substity lype	left zight	